FLAME DETECTION
COBRA100 AIR PURGE PANEL RANGE

FEATURES

- 3-Year Warranty
- Weatherproof
- Outdoor and Dirty Environments
- Replaceable Filter Assembly
- Powder Coated Heavy Sheet Metal Housing

COBRA100 AIR PURGE PANEL WITH FLAME DETECTOR INTERFACE, PSU & COMPRESSOR

DESCRIPTION

The COBRA100 weatherproof panel can be used outdoors in conjunction with flame detectors supplied by Technoswitch.

The panel will facilitate many requirements for the optimum operation of the flame detector when installed in outdoor or dirty environments.

These requirements include –

- Power for the detector,
- Interface for the alarm/fault signals to a conventional fire control panel,
- A constant clean air supply to purge the flame detector.

The enclosure filters air through the main filter fitted to the door panel; then, the air passes through a secondary filter on the compressor. This process ensures a constant clean air supply to purge the flame detector.

The power supply continuously monitors the AC supply, battery connection, battery charging voltage and output supply voltage and will report the appropriate fault conditions should these be outside specifications.

PANEL COMPONENTS

Interface Board	PCB-TEC082-01
Power Supply	PCB-PSU2A
Batteries	2x 7.2 Ah 12 V
Compressor	
COBRA100	NE-ODTI-COM220
COBRA110	NE-ODTI-COM110
Filter Assembly for	
COBRA Air Purge Panel	ENC-COBRA-FILASSY

SPECIFICATIONS

COBRA100 / COBRA110

Input Voltage	100 – 250 V AC
Output Voltage	27.5 V DC to Interface Unit
Battery Input	1x 24 V DC
Compressor Output	Quick connect coupling
Flame Detector Output	Female pin connector
Punch Outs	5x 20 mm for wiring into and out of panel (glands provided)
Weight (incl. batteries)	± 31 kg
Filter	Replaceable filter cartridge
Housing	Powder coated heavy sheet metal
Dimensions (H x W x D)	520 x 620 x 271 mm

COMPRESSOR

Operating Input Voltage	
COBRA100	220 V AC
COBRA110	110 V AC
Power	70 Watts
Frequency	50 Hz
Pressure	0.035 MPa
Output	83 L/min
Hose Length	10 metres maximum

ORDERING INFORMATION

Product Code	Product Description
COBRA100	Air Purge Box c/w Flame Detector Interface, PSU & 230 V AC Compressor
COBRA110	Air Purge Box c/w Flame Detector Interface, PSU & 110 V AC Compressor
HAR-COBRA-5610	Harness between COBRA Panels and Patol I5610 IR Transit Detectors (10m)
HAR-COBRA-FGD	Harness between COBRA Panels and FGD Flame Detectors (10m)
HAR-COBRA-SP2020	Harness between COBRA Panels and SP2020 Flame Detectors (10m)
HAR-COBRA-SP4040	Harness between COBRA Panels and SP4040 Flame Detectors (10m)